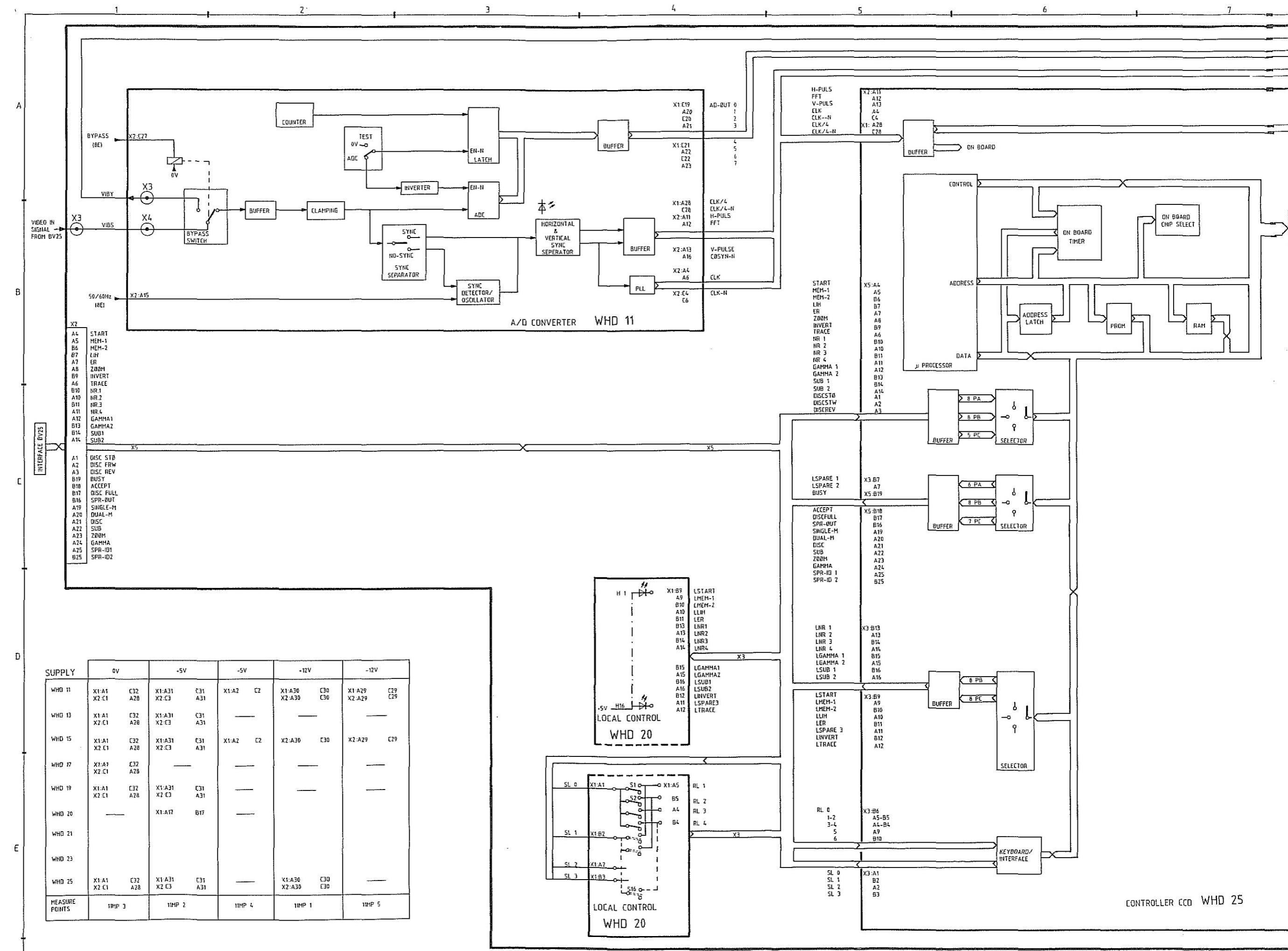
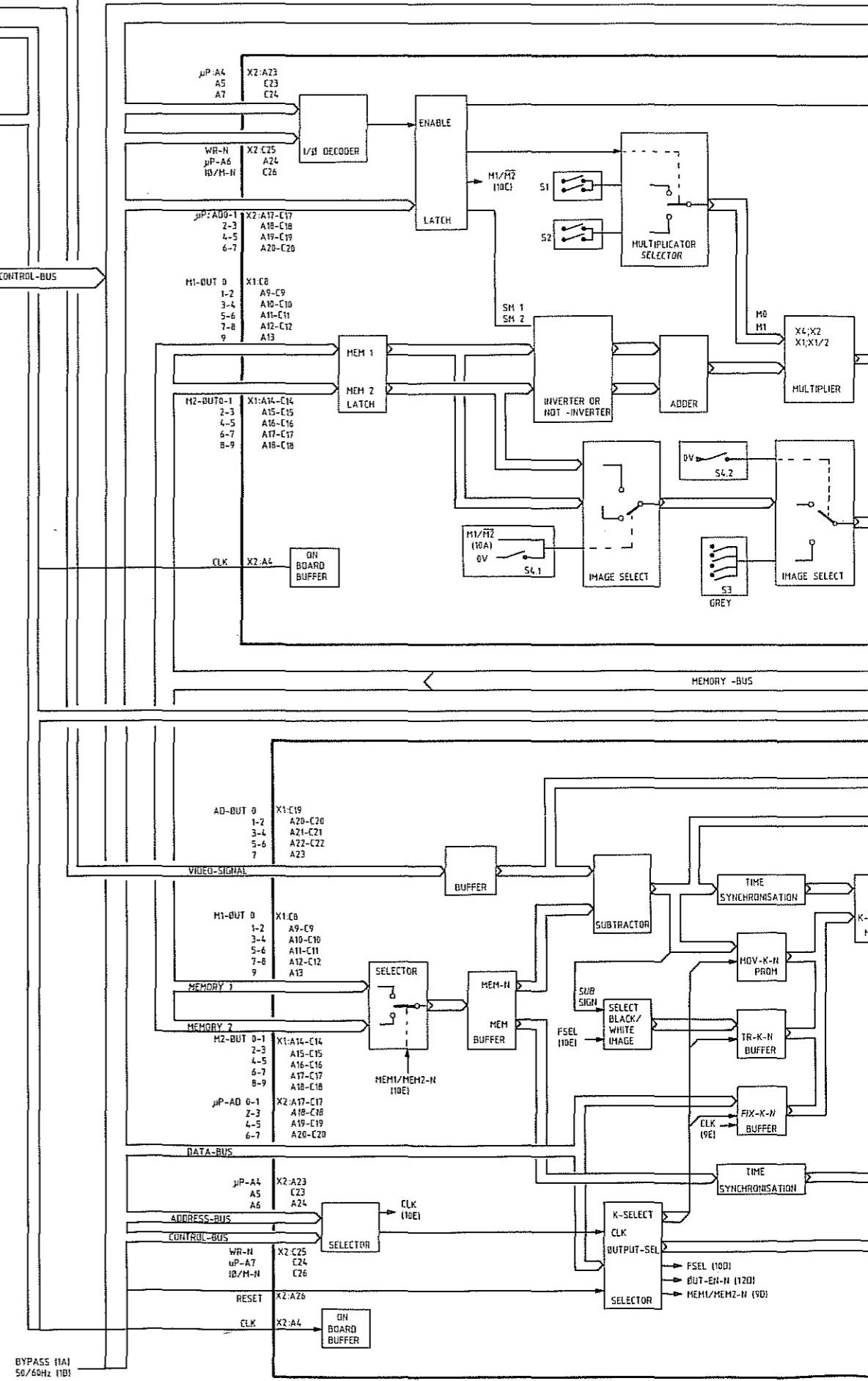
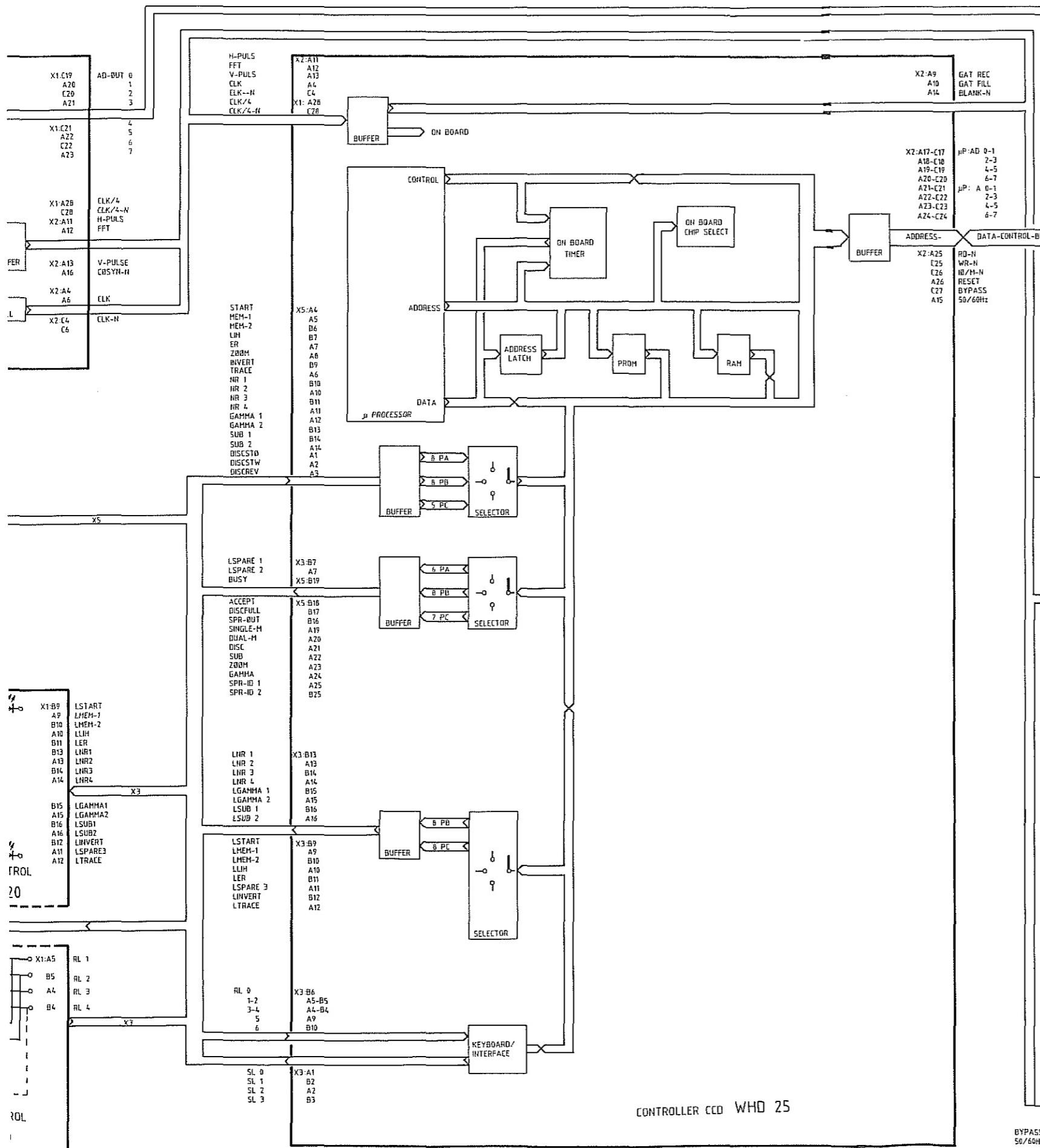
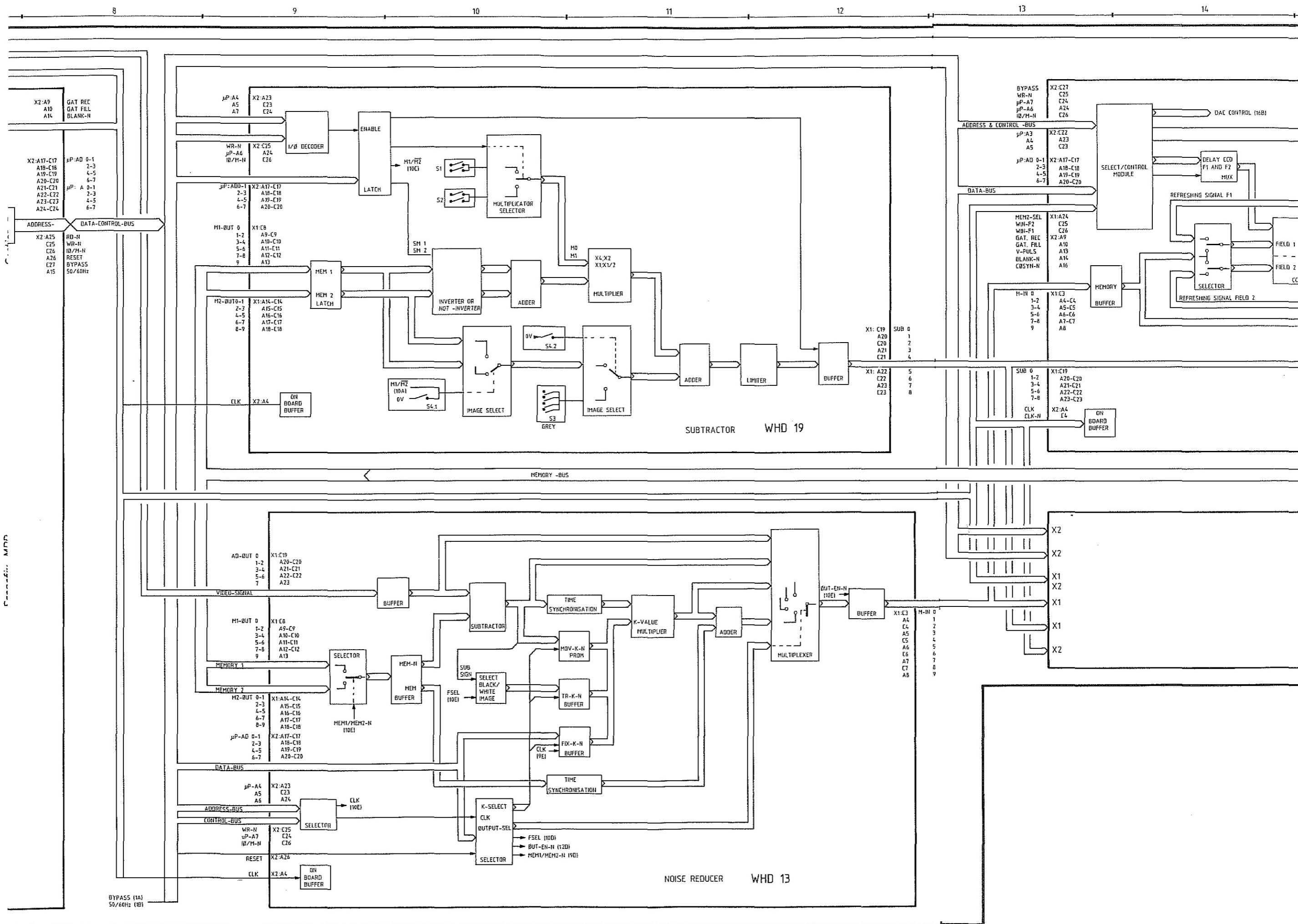


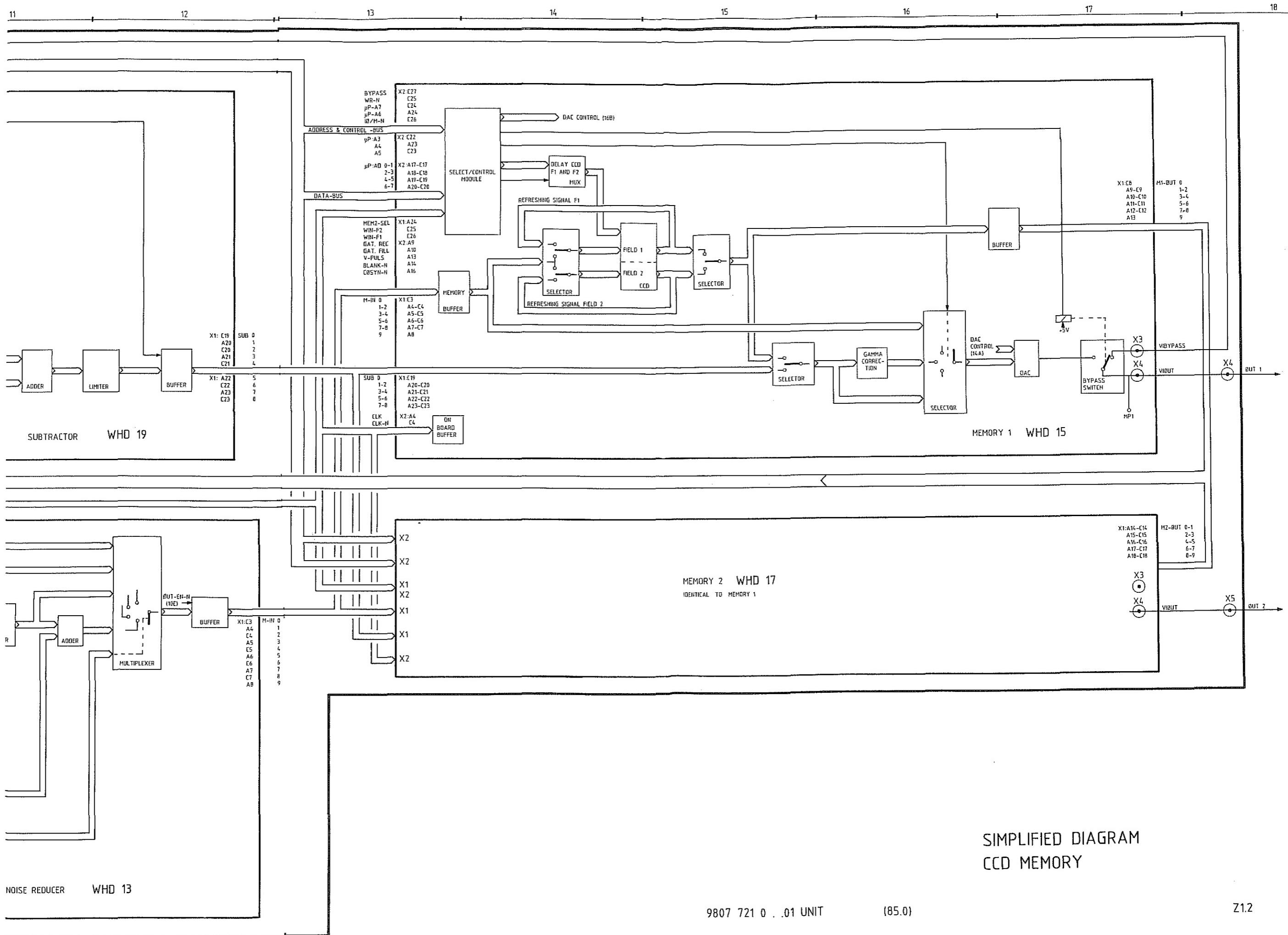
Scopofix MDP

Section Z



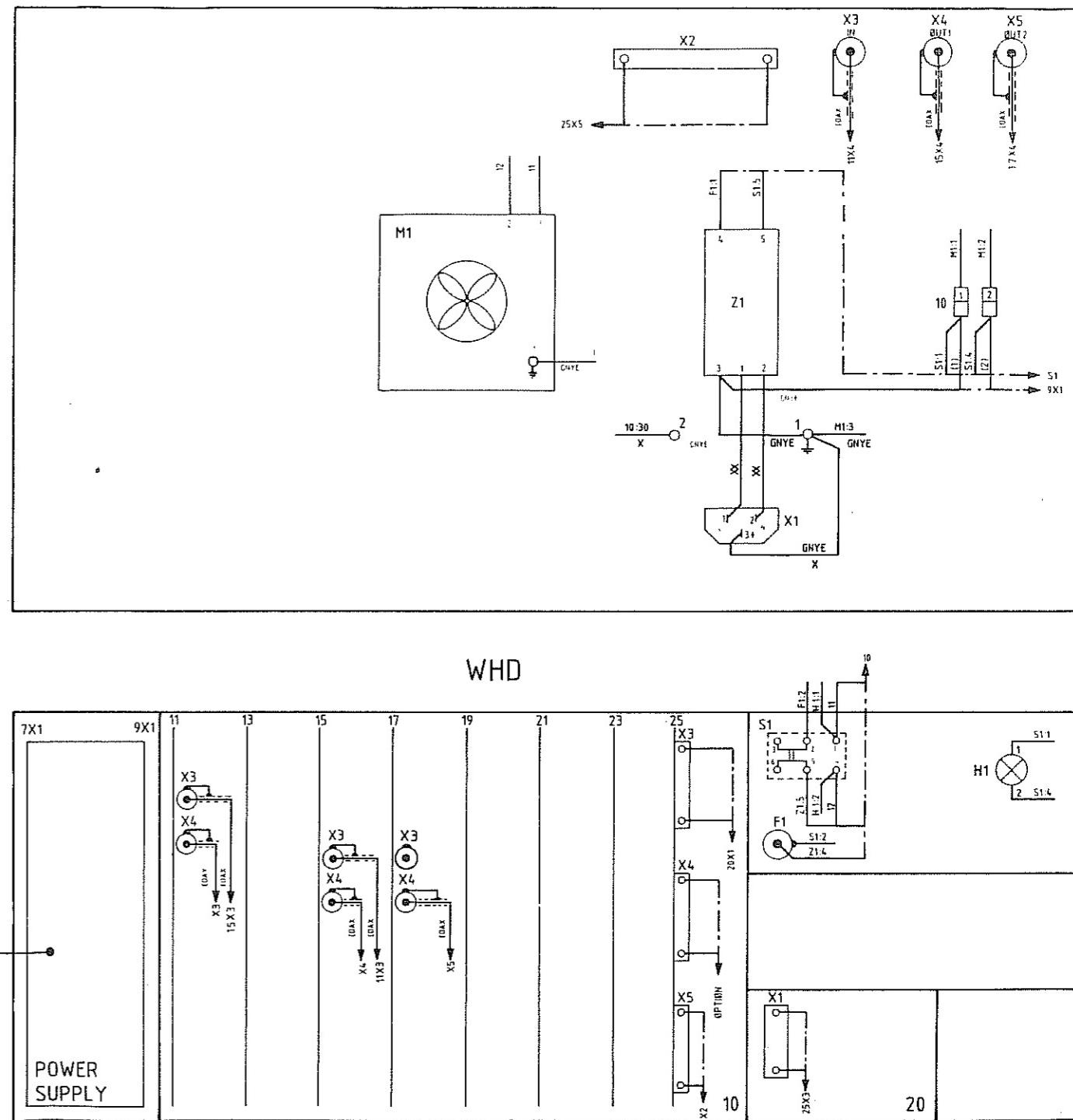
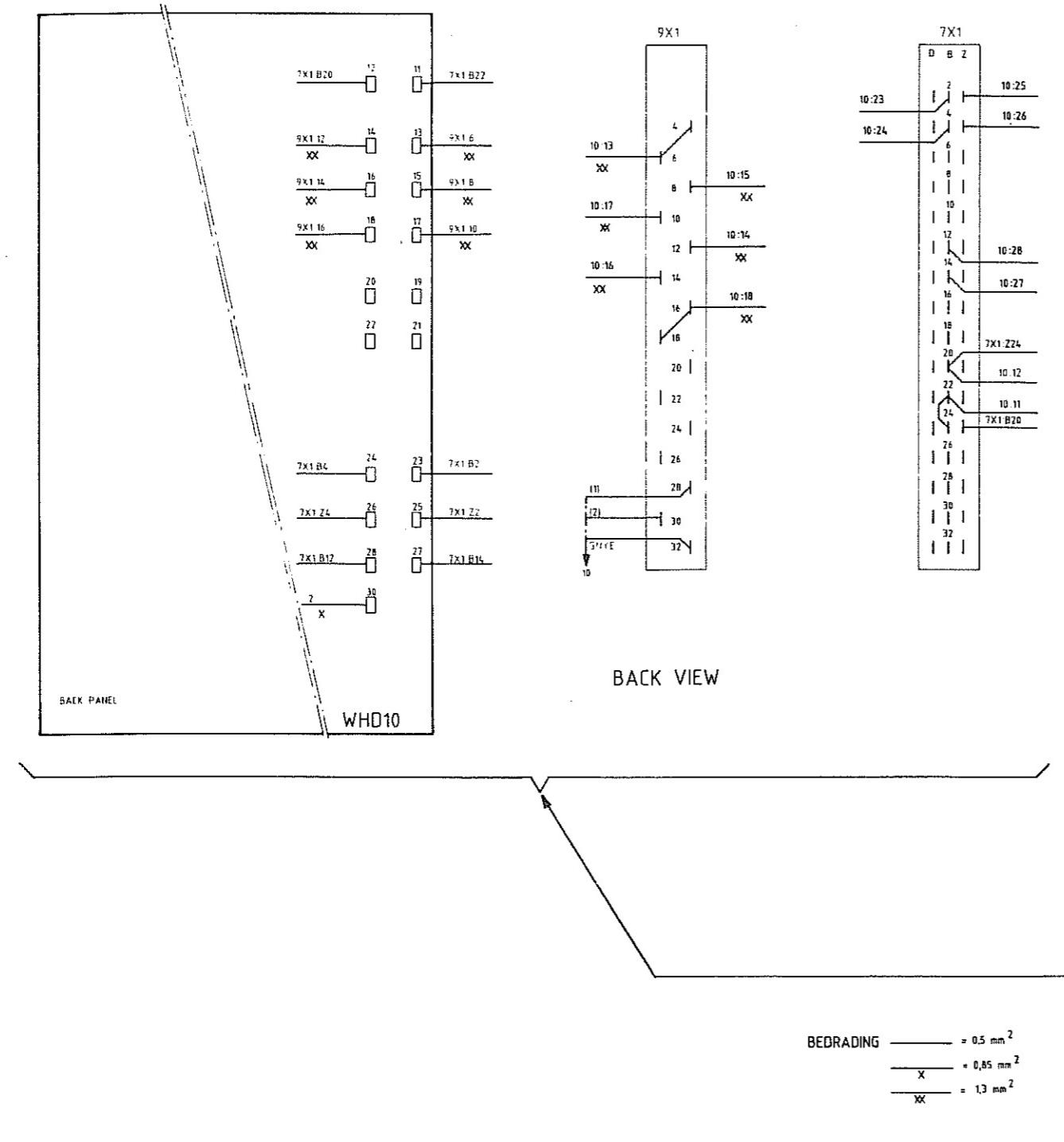




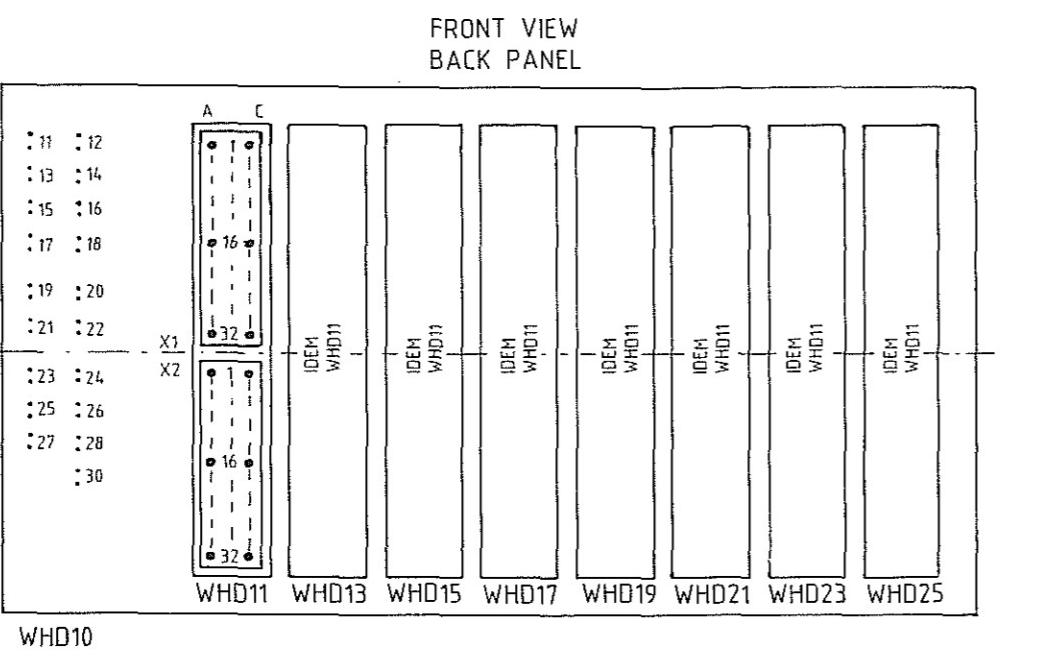


Scopofix MDP

Section Z



WIRING-RACK+ CONNECTOR LOCATIONS



SEQUENCE OF CONNECTORPOINTS

WHD10:11	-5V	WHD11X2:A3	+5V	WHD11X2:A17	JP-AD 3	WHD11X1:C3	-IN 0	WHD11X1:C31	+5V	WHD21X1:A14	-IN 9	WHD21X1:C26	WIN-F1	WHD25X:1
WHD10:12	0V	WHD11X2:A4	CLK	WHD11X1:C3	-IN 0	WHD11X1:C4	-IN 2	WHD11X1:C32	0V	WHD21X1:A9	-OUT 1	WHD21X1:C17	+5V	WHD25X:2
WHD10:13	+5V	WHD11X2:A5	+5V	WHD11X1:C4	-IN 2	WHD11X1:C5	-IN 4	WHD11X2:A1	0V	WHD21X1:C1	0V	WHD21X1:C28	CLK/4-N	WHD25X:3
WHD10:14	0V	WHD11X2:A6	SPARE 3	WHD11X1:C5	-IN 4	WHD11X1:C6	-IN 6	WHD11X2:A2	SPARE 1	WHD21X1:C2	-5V	WHD21X1:C29	-12V	WHD25X:4
WHD10:15	+5V	WHD11X2:A7	0V	WHD11X1:C6	-IN 6	WHD11X2:A21	UP-AD 1	WHD21X1:C3	-IN 0	WHD21X1:C33	+12V	WHD21X1:C37	UP-AD 1	WHD25X:5
WHD10:16	0V	WHD11X2:A8	0V	WHD11X1:C7	-IN 8	WHD11X2:A22	UP-AD 2	WHD21X1:C4	-IN 2	WHD21X1:C31	+5V	WHD21X1:C39	UP-AD 2	WHD25X:6
WHD10:17	+5V	WHD11X2:A9	+5V	WHD11X1:C8	-IN 9	WHD11X2:A23	UP-AD 3	WHD21X1:C5	-IN 3	WHD21X1:C32	+5V	WHD21X1:C40	UP-AD 3	WHD25X:7
WHD10:18	0V	WHD11X2:A10	0V	WHD11X1:C9	-IN 10	WHD11X2:A24	UP-AD 4	WHD21X1:C6	-IN 4	WHD21X1:C33	+12V	WHD21X1:C41	UP-AD 4	WHD25X:8
WHD10:19	+5V	WHD11X2:A11	+5V	WHD11X1:C10	-IN 11	WHD11X2:A25	UP-AD 5	WHD21X1:C7	-IN 5	WHD21X1:C34	+5V	WHD21X1:C42	UP-AD 5	WHD25X:9
WHD10:20	0V	WHD11X2:A12	0V	WHD11X1:C11	-IN 12	WHD11X2:A26	UP-AD 6	WHD21X1:C8	-IN 6	WHD21X1:C35	+12V	WHD21X1:C43	UP-AD 6	WHD25X:10
WHD10:21	+5V	WHD11X2:A13	+5V	WHD11X1:C12	-IN 13	WHD11X2:A27	UP-AD 7	WHD21X1:C9	-IN 7	WHD21X1:C36	+5V	WHD21X1:C44	UP-AD 7	WHD25X:11
WHD10:22	0V	WHD11X2:A14	0V	WHD11X1:C13	-IN 14	WHD11X2:A28	UP-AD 8	WHD21X1:C10	-IN 8	WHD21X1:C37	+12V	WHD21X1:C45	UP-AD 8	WHD25X:12
WHD10:23	+5V	WHD11X2:A15	+5V	WHD11X1:C14	-IN 15	WHD11X2:A29	UP-AD 9	WHD21X1:C11	-IN 9	WHD21X1:C38	+5V	WHD21X1:C46	UP-AD 9	WHD25X:13
WHD10:24	0V	WHD11X2:A16	0V	WHD11X1:C15	-IN 16	WHD11X2:A30	UP-AD 10	WHD21X1:C12	-IN 10	WHD21X1:C39	+12V	WHD21X1:C47	UP-AD 10	WHD25X:14
WHD10:25	+5V	WHD11X2:A17	+5V	WHD11X1:C16	-IN 17	WHD11X2:A31	UP-AD 11	WHD21X1:C13	-IN 11	WHD21X1:C40	+5V	WHD21X1:C48	UP-AD 11	WHD25X:15
WHD10:26	0V	WHD11X2:A18	0V	WHD11X1:C17	-IN 18	WHD11X2:A32	UP-AD 12	WHD21X1:C14	-IN 12	WHD21X1:C41	+5V	WHD21X1:C49	UP-AD 12	WHD25X:16
WHD10:27	+5V	WHD11X2:A19	+5V	WHD11X1:C18	-IN 19	WHD11X2:A33	UP-AD 13	WHD21X1:C15	-IN 13	WHD21X1:C50	+5V	WHD21X1:C51	UP-AD 13	WHD25X:17
WHD10:28	0V	WHD11X2:A20	0V	WHD11X1:C19	-IN 20	WHD11X2:A34	UP-AD 14	WHD21X1:C16	-IN 14	WHD21X1:C52	+5V	WHD21X1:C53	UP-AD 14	WHD25X:18
WHD10:29	+5V	WHD11X2:A21	+5V	WHD11X1:C20	-IN 21	WHD11X2:A35	UP-AD 15	WHD21X1:C17	-IN 15	WHD21X1:C54	+5V	WHD21X1:C55	UP-AD 15	WHD25X:19
WHD10:30	0V	WHD11X2:A22	0V	WHD11X1:C21	-IN 22	WHD11X2:A36	UP-AD 16	WHD21X1:C18	-IN 16	WHD21X1:C56	+5V	WHD21X1:C57	UP-AD 16	WHD25X:20
WHD10:31	+5V	WHD11X2:A23	+5V	WHD11X1:C22	-IN 23	WHD11X2:A37	UP-AD 17	WHD21X1:C19	-IN 17	WHD21X1:C58	+5V	WHD21X1:C59	UP-AD 17	WHD25X:21
WHD10:32	0V	WHD11X2:A24	0V	WHD11X1:C23	-IN 24	WHD11X2:A38	UP-AD 18	WHD21X1:C20	-IN 18	WHD21X1:C59	+5V	WHD21X1:C60	UP-AD 18	WHD25X:22
WHD10:33	+5V	WHD11X2:A25	+5V	WHD11X1:C24	-IN 25	WHD11X2:A39	UP-AD 19	WHD21X1:C21	-IN 19	WHD21X1:C61	+5V	WHD21X1:C62	UP-AD 19	WHD25X:23
WHD10:34	0V	WHD11X2:A26	0V	WHD11X1:C25	-IN 26	WHD11X2:A40	UP-AD 20	WHD21X1:C22	-IN 20	WHD21X1:C63	+5V	WHD21X1:C64	UP-AD 20	WHD25X:24
WHD10:35	+5V	WHD11X2:A27	+5V	WHD11X1:C26	-IN 27	WHD11X2:A41	UP-AD 21	WHD21X1:C23	-IN 21	WHD21X1:C65	+5V	WHD21X1:C66	UP-AD 21	WHD25X:25
WHD10:36	0V	WHD11X2:A28	0V	WHD11X1:C27	-IN 28	WHD11X2:A42	UP-AD 22	WHD21X1:C24	-IN 22	WHD21X1:C67	+5V	WHD21X1:C68	UP-AD 22	WHD25X:26
WHD10:37	+5V	WHD11X2:A29	+5V	WHD11X1:C28	-IN 29	WHD11X2:A43	UP-AD 23	WHD21X1:C25	-IN 23	WHD21X1:C69	+5V	WHD21X1:C70	UP-AD 23	WHD25X:27
WHD10:38	0V	WHD11X2:A30	0V	WHD11X1:C29	-IN 30	WHD11X2:A44	UP-AD 24	WHD21X1:C26	-IN 24	WHD21X1:C71	+5V	WHD21X1:C72	UP-AD 24	WHD25X:28
WHD10:39	+5V	WHD11X2:A31	+5V	WHD11X1:C30	-IN 31	WHD11X2:A45	UP-AD 25	WHD21X1:C27	-IN 25	WHD21X1:C73	+5V	WHD21X1:C74	UP-AD 25	WHD25X:29
WHD10:40	0V	WHD11X2:A32	0V	WHD11X1:C31	-IN 32	WHD11X2:A46	UP-AD 26	WHD21X1:C28	-IN 26	WHD21X1:C75	+5V	WHD21X1:C76	UP-AD 26	WHD25X:30
WHD10:41	+5V	WHD11X2:A33	+5V	WHD11X1:C32	-IN 33	WHD11X2:A47	UP-AD 27	WHD21X1:C29	-IN 27	WHD21X1:C77	+5V	WHD21X1:C78	UP-AD 27	WHD25X:31
WHD10:42	0V	WHD11X2:A34	0V	WHD11X1:C33	-IN 34	WHD11X2:A48	UP-AD 28	WHD21X1:C30	-IN 28	WHD21X1:C79	+5V	WHD21X1:C80	UP-AD 28	WHD25X:32
WHD10:43	+5V	WHD11X2:A35	+5V	WHD11X1:C34	-IN 35	WHD11X2:A49	UP-AD 29	WHD21X1:C31	-IN 29	WHD21X1:C81	+5V	WHD21X1:C82	UP-AD 29	WHD25X:33
WHD10:44	0V	WHD11X2:A36	0V	WHD11X1:C35	-IN 36	WHD11X2:A50	UP-AD 30	WHD21X1:C32	-IN 30	WHD21X1:C83	+5V	WHD21X1:C84	UP-AD 30	WHD25X:34
WHD10:45	+5V	WHD11X2:A37	+5V	WHD11X1:C36	-IN 37	WHD11X2:A51	UP-AD 31	WHD21X1:C33	-IN 31	WHD21X1:C85	+5V	WHD21X1:C86	UP-AD 31	WHD25X:35
WHD10:46	0V	WHD11X2:A38	0V	WHD11X1:C37	-IN 38	WHD11X2:A52	UP-AD 32	WHD21X1:C34	-IN 32	WHD21X1:C87	+5V	WHD21X1:C88	UP-AD 32	WHD25X:36
WHD10:47	+5V	WHD11X2:A39	+5V	WHD11X1:C38	-IN 39	WHD11X2:A53	UP-AD 33	WHD21X1:C35	-IN 33	WHD21X1:C89	+5V	WHD21X1:C90	UP-AD 33	WHD25X:37
WHD10:48	0V	WHD11X2:A40	0V	WHD11X1:C39	-IN 40	WHD11X2:A54	UP-AD 34	WHD21X1:C36	-IN 34	WHD21X1:C91	+5V	WHD21X1:C92	UP-AD 34	WHD25X:38
WHD10:49	+5V	WHD11X2:A41	+5V	WHD11X1:C40	-IN 41	WHD11X2:A55	UP-AD 35	WHD21X1:C37	-IN 35	WHD21X1:C93	+5V	WHD21X1:C94	UP-AD 35	WHD25X:39
WHD10:50	0V	WHD11X2:A42	0V	WHD11X1:C41	-IN 42	WHD11X2:A56	UP-AD 36	WHD21X1:C38	-IN 36	WHD21X1:C95	+5V	WHD21X1:C96	UP-AD 36	WHD25X:40
WHD10:51	+5V	WHD11X2:A43	+5V	WHD11X1:C42	-IN 43	WHD11X2:A57	UP-AD 37</							

SEQUENCE OF MNEMONICS

SUB 7	WHD23X2:A10	GAT.FILL	WHD25X1:A24	CV		WHD10:12	- WHD10:14	- WHD10:16	- WHD10:18		BYPASS	WHD11X2:C27	- WHD11X2:C27	- WHD11X2:C27	- WHD11X2:C27		SUB 5	WHD15X1:A22	- WHD17X1:A22	- WHD19X1:A22	- WHD21X1:A22	
JV	WHD23X2:A11	H.PULJ	WHD25X1:A25	CV		WHD10:13	- WHD10:15	- WHD10:17	- WHD10:19		CLK	WHD11X2:C27	- WHD11X2:C27	- WHD11X2:C27	- WHD11X2:C27		SUB 6	WHD15X1:A22	- WHD17X1:A22	- WHD19X1:A22	- WHD21X1:A22	
JV	WHD23X2:A12	FFT	WHD25X1:A26	CV		WHD10:14	- WHD10:16	- WHD10:18	- WHD10:20		CLK-N	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 7	WHD15X1:A23	- WHD17X1:A23	- WHD19X1:A23	- WHD21X1:A23	
JV	WHD23X2:A13	H.PULJ	WHD25X1:A27	+5V		WHD10:15	- WHD10:17	- WHD10:19	- WHD10:21		CLK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 8	WHD15X1:A23	- WHD17X1:A23	- WHD19X1:A23	- WHD21X1:A23	
+5V	WHD23X2:A14	BLANK-N	WHD25X1:A28	CLK/4		WHD10:16	- WHD10:18	- WHD10:20	- WHD10:22		CLK-N	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 9	WHD15X1:A23	- WHD17X1:A23	- WHD19X1:A23	- WHD21X1:A23	
CLK/4	WHD23X2:A15	50HZ	WHD25X1:A29	-12V		WHD10:17	- WHD10:19	- WHD10:21	- WHD10:23		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 10	WHD15X1:A22	- WHD17X1:A22	- WHD19X1:A22	- WHD21X1:A22	
-12V	WHD23X2:A16	UP-AU 3	WHD25X1:A30	+12V		WHD10:18	- WHD10:20	- WHD10:22	- WHD10:24		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 11	WHD15X1:A22	- WHD17X1:A22	- WHD19X1:A22	- WHD21X1:A22	
+12V	WHD23X2:A17	UP-AU 2	WHD25X1:A31	+5V		WHD10:19	- WHD10:21	- WHD10:23	- WHD10:25		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 12	WHD15X1:A22	- WHD17X1:A22	- WHD19X1:A22	- WHD21X1:A22	
+5V	WHD23X2:A18	UP-AU 6	WHD25X1:A32	0V		WHD10:20	- WHD10:22	- WHD10:24	- WHD10:26		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 13	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
M1-OUT 4	WHD23X2:A21	UP-AU	WHD25X1:A25	WIN-F2		WHD10:21	- WHD10:23	- WHD10:25	- WHD10:27		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 14	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
M1-OUT 5	WHD23X2:A22	UP-AU	WHD25X1:A26	WIN-F1		WHD10:22	- WHD10:24	- WHD10:26	- WHD10:28		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 15	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
M1-OUT 6	WHD23X2:A23	UP-AU	WHD25X1:A27	UP-AU		WHD10:23	- WHD10:25	- WHD10:27	- WHD10:29		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 16	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
M1-OUT 7	WHD23X2:A23	UP-AU	WHD25X1:A28	CLK/4-N		WHD10:24	- WHD10:26	- WHD10:28	- WHD10:30		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 17	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
M2-OUT 3	WHD23X2:A25	MR-N	WHD25X1:A29	-12V		WHD10:25	- WHD10:27	- WHD10:29	- WHD10:31		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 18	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
M2-OUT 5	WHD23X2:A26	RESET	WHD25X1:A30	+12V		WHD10:26	- WHD10:28	- WHD10:30	- WHD10:32		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 19	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
M2-OUT 7	WHD23X2:A27	0V	WHD25X1:A31	+5V		WHD10:27	- WHD10:29	- WHD10:31	- WHD10:33		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 20	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
M2-OUT 9	WHD23X2:A28	UP-AU	WHD25X1:A32	0V		WHD10:28	- WHD10:30	- WHD10:32	- WHD10:34		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 21	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
SUB 1	WHD23X2:A29	UP-AU	WHD25X1:A33	CLK/REC		WHD10:29	- WHD10:31	- WHD10:33	- WHD10:35		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 22	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
SUB 2	WHD23X2:A31	+5V	WHD25X1:A34	SPAKE 1		WHD10:30	- WHD10:32	- WHD10:34	- WHD10:36		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 23	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
SUB 4	WHD23X2:A32	UP-AU	WHD25X1:A35	+5V		WHD10:31	- WHD10:33	- WHD10:35	- WHD10:37		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 24	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
SUB 5	WHD23X2:A33	UP-AU	WHD25X1:A36	SPAKE 2		WHD10:32	- WHD10:34	- WHD10:36	- WHD10:38		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 25	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
SUB 6	WHD23X2:A34	UP-AU	WHD25X1:A37	SPAKE 3		WHD10:33	- WHD10:35	- WHD10:37	- WHD10:39		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 26	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
SUB 8	WHD23X2:A35	UP-AU	WHD25X1:A38	SPAKE 4		WHD10:34	- WHD10:36	- WHD10:38	- WHD10:40		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 27	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
SUB 9	WHD23X2:A36	UP-AU	WHD25X1:A39	SPAKE 5		WHD10:35	- WHD10:37	- WHD10:39	- WHD10:41		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 28	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
SUB 10	WHD23X2:A37	UP-AU	WHD25X1:A40	BLANK-N		WHD10:36	- WHD10:38	- WHD10:40	- WHD10:42		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 29	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
SUB 11	WHD23X2:A38	UP-AU	WHD25X1:A41	50HZ		WHD10:37	- WHD10:39	- WHD10:41	- WHD10:43		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 30	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
SUB 12	WHD23X2:A39	UP-AU	WHD25X1:A42	UP-AU		WHD10:38	- WHD10:40	- WHD10:42	- WHD10:44		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 31	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
SUB 13	WHD23X2:A40	UP-AU	WHD25X1:A43	UP-AU		WHD10:39	- WHD10:41	- WHD10:43	- WHD10:45		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 32	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
SUB 14	WHD23X2:A41	UP-AU	WHD25X1:A44	UP-AU		WHD10:40	- WHD10:42	- WHD10:44	- WHD10:46		ELK	WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24	- WHD11X2:C24		SUB 33	WHD15X1:A21	- WHD17X1:A21	- WHD19X1:A21	- WHD21X1:A21	
SUB 15	WHD23X2:A42	UP-AU	WHD25X1:A45	UP-AU		WHD10:41	- WHD10:43	- WHD1														